

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/050287

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G02B7/02 G11B7/135 H04N5/225

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G02B G11B H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2001/009443 A1 (INOUE MASASHI ET AL) 26 July 2001 (2001-07-26) paragraphs '0037! - '0046! figures 2-5	1-10
X	US 2002/191309 A1 (TAYLOR MARK ET AL) 19 December 2002 (2002-12-19) paragraphs '0016! - '0020! figures 4,5	1-8,10
X	US 5 032 919 A (RANDMAE REIN S) 16 July 1991 (1991-07-16) column 2, line 53 - column 3, line 68 figure 5	1-10
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the International search

9 July 2004

Date of mailing of the International search report

20/07/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

von Hentig, R

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 268 794 A (CHAN KWOK Y) 7 December 1993 (1993-12-07) column 2, lines 29-60 column 3, line 19 - column 4, line 40 figure 4 -----	1-10
X	EP 1 174 748 A (TOKYO SHIBAURA ELECTRIC CO) 23 January 2002 (2002-01-23) paragraphs '0002!, '0021! - '0025! paragraphs '0090! - '0094! figures 2a-2c figures 9a,9b -----	1-10

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 2001009443	A1	26-07-2001	JP	2001208952 A	03-08-2001
US 2002191309	A1	19-12-2002	CN	2569172 U	27-08-2003
			DE	20208811 U1	07-11-2002
US 5032919	A	16-07-1991	NONE		
US 5268794	A	07-12-1993	GB	2258738 A	17-02-1993
			DE	4226967 A1	18-02-1993
			HK	70295 A	19-05-1995
EP 1174748	A	23-01-2002	JP	2002098878 A	05-04-2002
			CN	1333473 A	30-01-2002
			DE	60102522 D1	06-05-2004
			EP	1174748 A2	23-01-2002
			US	2002005997 A1	17-01-2002